Restoration Advisory Board Meeting

RAB Meeting #26

August 25, 2010

Vieques, Puerto Rico

Agenda

6:00 – 6:15	Welcome and Introductions	Kevin Cloe/Navy Co-chair
6:15 – 7:00	Ecological Characterization of the Marine Resources of Vieques	Diane Wehner/NOAA Dave Whitall/NOAA
7:00 – 7:45	Site Inspection/Expanded Site Inspection	Brett Doerr/CH2M HILL
7:45 – 8:00	Break	
8:00 – 8:20	Fish and Wildlife Service Update	Rich Henry/USFWS
8:20 – 8:40	Regulatory Update	Wilmarie Rivera/PREQB Danny Rodriguez/EPA
8:40 – 8:50	Munitions Program Progress	Daniel Hood /Navy
8:50 – 9:00	Questions and Comments from the Public	Members of the Public

Site Inspection/Expanded Site Inspection

General CERCLA Process

- Preliminary Assessment/Site Inspection
- Remedial Investigation
- Feasibility Study
- Proposed Plan
- Record of Decision
- Remedy Design and Implementation

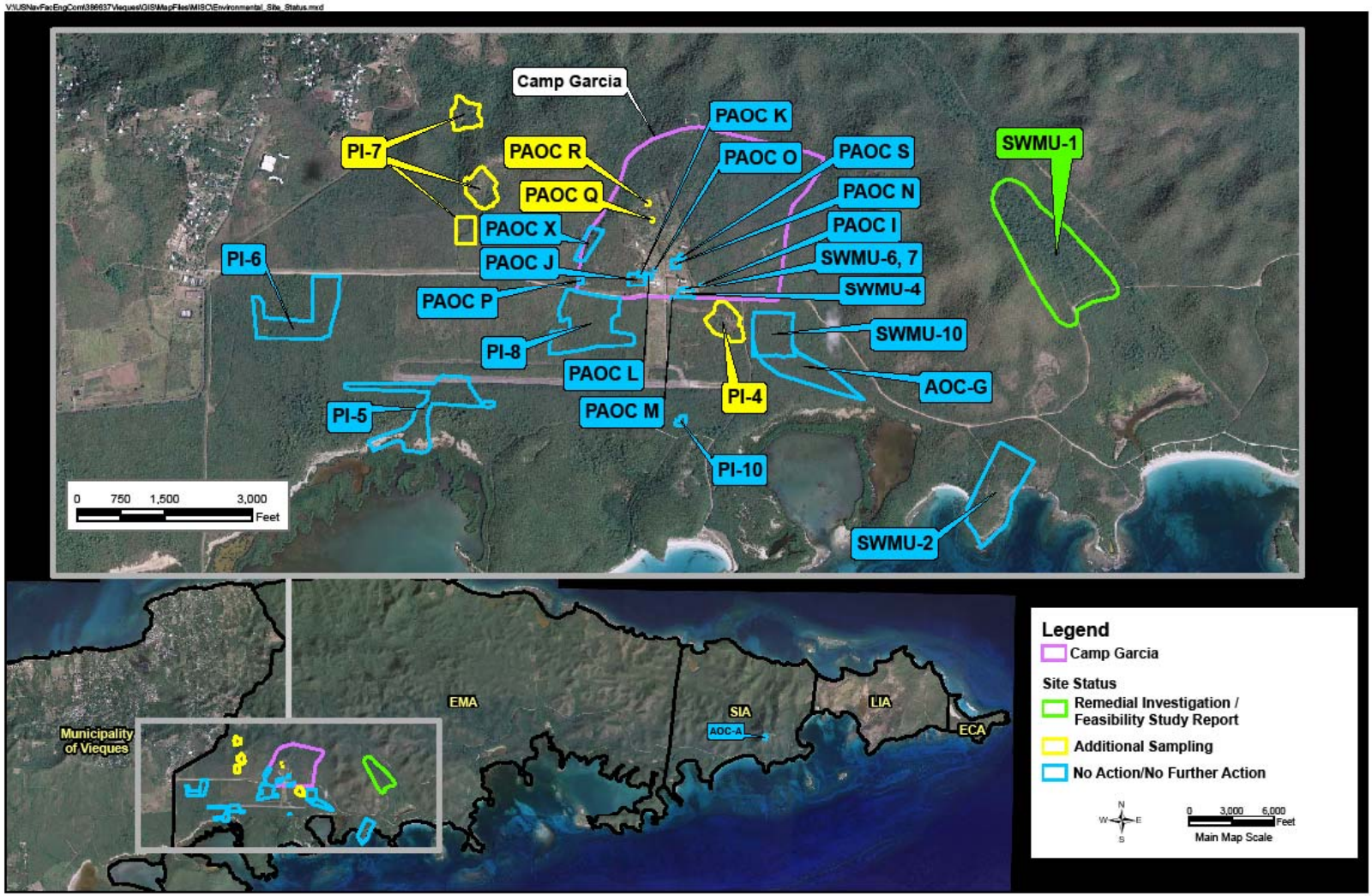
Preliminary Assessment/Site Inspection Decision Process

- Step 1 – Determine the site's CERCLA eligibility
- Step 2 – Perform data quality evaluation
- Step 3 – Identify potential contaminants
- Step 4 – Determine if contaminants are potentially associated with a release subject to CERCLA regulation

Preliminary Assessment/Site Inspection Decision Process

- Step 5 – Determine if contaminants exceed conservative screening values
- Step 6 – Evaluate data to determine if no action, no further action, action, or further investigation is warranted
  - Step 6a – Collect additional data, if necessary to complete Step 6
- Step 7 – Determine if information and data available for site are sufficient to support decision

26 East Vieques Consent Order and PI/PAOC Sites



Status of 26 East Vieques Consent Order and PI/PAOC Sites

- Remedial Investigation/Feasibility Study
  - SWMU 1 – Camp Garcia Landfill

Status of 26 East Vieques Consent Order and PI/PAOC Sites

- Expanded Site Inspection
  - PAOC Q – Former Boiler Room in Heat Plant Building 607
  - PAOC R – Former Boiler Room in Heat Plant Building 617
  - PI 4 – Former Helicopter Maintenance Area, Trenched Area, Disturbed Area, and Bermed Areas Used for Fuel Bladder Storage
  - PI 7 – Former Quarry, Tar Drum Disposal Area, and Radar Communication Area

Status of 26 East Vieques Consent Order and PI/PAOC Sites

- No Further Action (Potential Source of Contamination Removed)
  - AOC A – Diesel Fuel Fill Pipe Area
  - PAOC L – Former Paint and Transformer Storage Area
  - PAOC P – Former Water Treatment Pumphouse
  - PAOC X – Debris Area in Ephemeral Stream

Status of 26 East Vieques Consent Order and PI/PAOC Sites

- No Action
  - SWMU 2 – Fuels Off-loading Site
  - SWMU 4 – Waste Areas of Building 303
  - SWMU 6/7 – Waste Oil and Paint Accumulation Areas
  - SWMU 10 – Sewage Treatment Lagoons
  - AOC G – Pump Station and Chlorination Building
  - PI 5 – Former Airfield and Associated Ditches
  - PI 6 – Former PCB Storage Pad and Vehicle Wash Pad
  - PI 8 – Former Motor Pool Maintenance Area

Status of 26 East Vieques Consent Order and PI/PAOC Sites

- No Action, continued
  - PI 10 – Former Wastewater Leach Field
  - PAOC I – Former Power Plant and Mechanics Shop
  - PAOC J – Former Vehicle Maintenance Area
  - PAOC K – Former Wash Rack
  - PAOC M – Former Fuel Facility
  - PAOC N – Former Fuel Farm and Filling Station
  - PAOC O – Former Boiler Room in Heat Plant Building 238
  - PAOC S – Former POL Pipeline and Power Plant

SWMU 1

SWMU 1

PAOC Q/R

PI 4

ESTIMATED LOCATION OF BERMED AREA USED FOR FUEL BLADDER STORAGE
FORMER TRENCHED AREA
SS09/SB09
Conc Pipes
Conc Foundation
SW01
SS10/SB10
SS15/SB15
SS14/SB14
SS05/SB05
949
SS07/SB07
MW-3
SS08/SB08
MW-4
SS11/SB11
SS06/SB06
SS04/SB04
HELICOPTER MAINTENANCE AREA
SS03/SB03
SS12/SB12
MW-2
Conc Vault Box
MW-5
SS13/SB13
SS02/SB02
1962 Disturbed Area
SS01/SB01
MW-1
1964 Disturbed Area

PI 7

AOC A

PAOC L

PAOC P

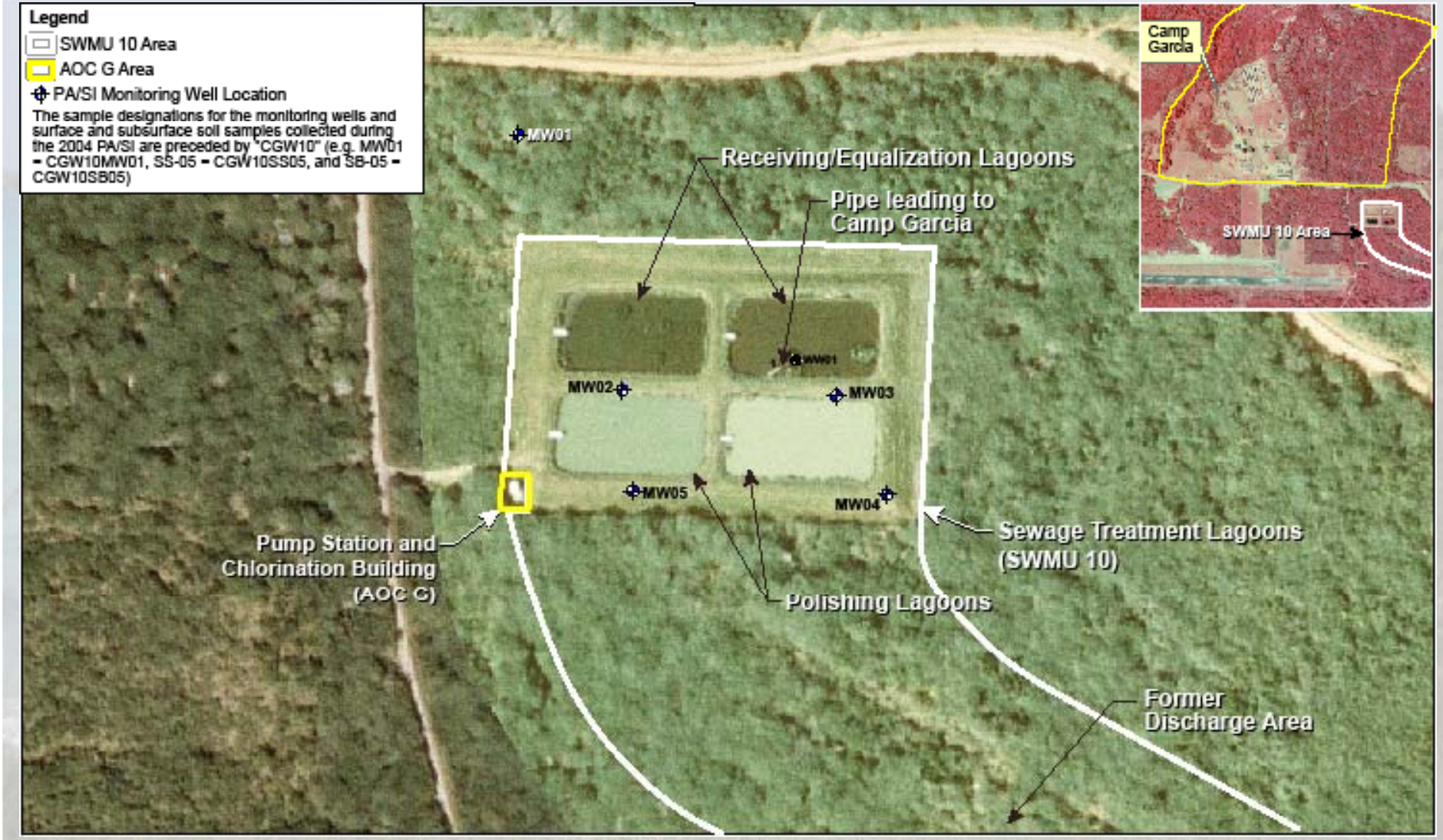
PAOC X

SWMU 2

SWMU 2
2007 Aerial
SS/SB22
(pipe debris)
SS/SB25
SS-05
Concrete
SS/SB30
SS/SB17
SS/SB26
SS-04
SS/SB27
SS/SB31
SS/SB16
SS/SB18
SS-03
SS/SB28
SS/SB15
SS-02
SS-06
SS21
SS/SB32
SS13
SS/SB29
SS/SB33
SS-07
SS-01
SS-08
SS/SB14
SB-01
Concrete
SS19
SS20
SB-02
SS/SB23
SS-10
SS-09
SS-12
SS24
SS-11
Fuel
Offloading
Area
2007 Aerial

SWMU 6/7

SWMU 10 and AOC G



PI 5

PAOC I

PAOC M

PAOC O

Questions?

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Summary of Expanded Range Assessment/Site Inspection (ERA/SI) Report

Summary of ERA/SI Report

- Investigations Completed- 17 Munitions Response Sites
  - Review of historical munitions records
  - Interviews with former workers at the site
  - Removal of surface munitions and explosives of concern along roads and beaches
  - Magnetometer assisted visual surveys using transects
  - Historical aerial photograph analysis
  - Aerial magnetometer survey
  - Geophysical surveys of roads and beaches

Summary of ERA/SI Report

- Recommendations
  - 11 Sites recommended for Interim Removal Actions to reduce immediate risk
    - UXO 1- Eastern Conservation Area
    - UXO 2- LIA Beaches
    - UXO 3- LIA Roads
    - UXO 4 -: LIA Interior
    - UXO 5 - SIA Restricted Roads
    - UXO 6 - EMA/SIA Public Roads
    - UXO 7 - EMA/SIA North Beaches
    - UXO 8- SIA South Beaches
    - UXO 9 -SIA Exterior
    - UXO 10- SIA Interior
    - UXO 11- EMA Public Roads.

Summary of ERA/SI Report

- Recommendations (continued)

  To further characterize the nature and extent of MEC and Assess the risk to human health and the environment

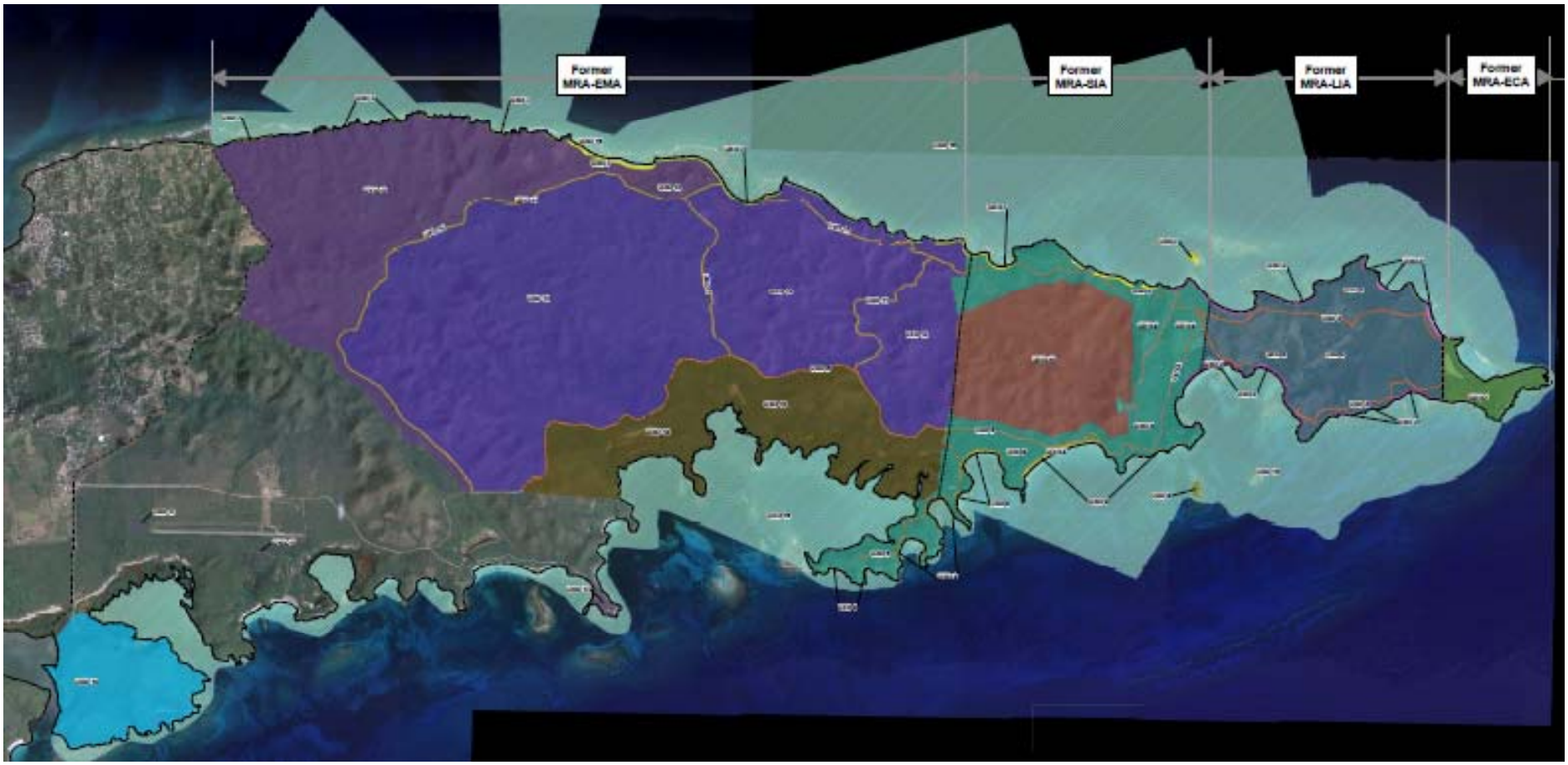
  - 4 Sites containing MEC recommended for Remedial Investigations / Feasibility Studies (RI/FS)

    - UXO 12- EMA Interior
    - UXO 13- EMA West
    - UXO 14- EMA South
    - UXO 16- Underwater Areas

Summary of ERA/SI Report

- Recommendations (continued)
  - 3 Sites recommended for additional investigations to determine if MEC is present:
    - UXO 14- EMA South
    - UXO 15- Puerto Ferro
    - UXO 17- Other Areas
  - Part of one site (UXO-17) recommended for No Further Action, MEC unlikely present
    - PI -14, PAOC FF

Map of Munitions Response Sites



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Questions?